

# Converting Colors

XYZ(115.6090, 95.5374,  
83.0814)

Have a look what the booklet for  
XYZ(115.6090, 95.5374, 83.0814)  
contains.

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# Color

**XYZ(80.0261, 77.3049,  
81.2245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBE0
RGB	255, 219, 224
RGB Percent	100%, 86%, 88%
CMY	0.0000, 0.1412, 0.1216
CMYK	0.00, 0.14, 0.12, 0.00
HSL	352°, 100%, 93%
HSV	352°, 14%, 100%
XYZ	80.0261, 77.3049, 81.2245
YIQ	230.3340, 19.8510, 9.1870

# Conversions

## Conversions Part 2

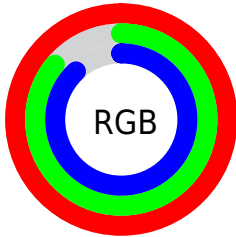
Format	Color
R <sub>Y</sub> B	255, 219, 224
Decimal	16767968
CIE Lab	90.46, 13.25, 2.17
CIE LCh	90, 13.426, 9.293
Yxy	77.3049, 0.3355, 0.3241
Android (android.graphics.Color)	4294958048 (0xFFFFDBE0)
YUV	230.3340, -3.1227, 21.6321
Hunter-Lab	87.9232, 8.6018, 6.7734

# Details

The XYZ color **80.0261, 77.3049, 81.2245** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **82.2313, 93.4834, 104.1564**, and the grayscale version is **75.4748, 79.4054, 86.4725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7256, 41.4213, 43.2266** is the 20% darker color. If you saturate the color by 10%, you get **71.0875, 63.8903, 64.4876**, and if you desaturate by 10%, it is **90.3720, 92.9179, 100.3305**.

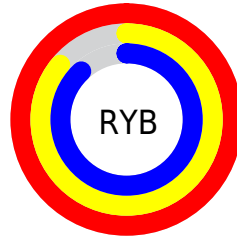
# Distribution



Red (100%)

Green (86%)

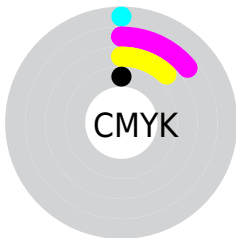
Blue (88%)



Red (100%)

Yellow (86%)

Blue (88%)

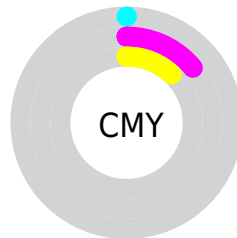


Cyan (0%)

Magenta (14%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0261, 77.3049, 81.2245 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.0261, 77.3049, 81.2245 by changing the saturation by 10% instead.




 80.0261, 77.3049,  
81.2245

 80.0261, 77.3049,  
81.2245

483.7560,  
485.8030, 518.8651

 60.0484, 57.5032,  
60.1944


132.3528,  
129.5698, 136.9129

 43.7072, 41.4093,  
43.1490


165.4324,  
162.8017, 172.4082

 30.6373, 28.6391,  
29.6698


203.6101,  
201.2792, 213.5624

 20.4733, 18.8080,  
19.3382

247.2511,  
245.3865, 260.7940

 12.8498, 11.5316,  
11.7356

296.7208,  
295.5082, 314.5216

 7.4015, 6.4256,  
6.4436

352.3847,

 3.7630, 3.1056,

352.0286, 375.1636

3.0435

414.6079,  
415.3320, 443.1386

■ 1.5689, 1.1871,  
1.1169

■ 0.3720, 0.0511,  
0.0000

■ 80.0261, 77.3049,  
81.2245

■ 80.0261, 77.3049,  
81.2245

■ 71.0875, 63.8903,  
64.4876

■ 90.3720, 92.9179,  
100.3305

■ 63.4901, 52.5661,  
50.0224

95.0500, 100.0000,  
108.9000

■ 57.1702, 43.2297,  
37.7322

■ 52.0571, 35.7661,  
27.5111

■ 48.0730, 30.0484,  
19.2445

■ 45.1307, 25.9340,  
12.8064

■ 43.1301, 23.2576,  
8.0558

■ 41.9509, 21.8178,  
4.8305

■ 41.5492, 21.3837,  
3.5582

# Harmonies

## Analogous

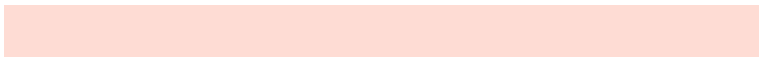
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6752, 77.3049, 90.8732



80.0261, 77.3049, 81.2245



78.5810, 77.3049, 73.0086

# Triad

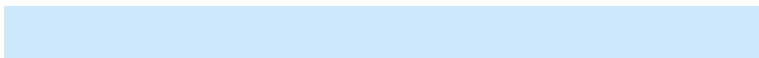
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0261, 77.3049, 81.2245



69.4670, 77.3049, 70.6714



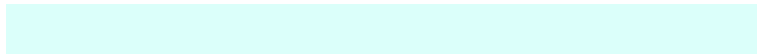
71.2191, 77.3049, 102.6578

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



80.0261, 77.3049, 81.2245



82.2313, 93.4834, 104.1564

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5970, 77.3049, 96.4188



80.0261, 77.3049, 81.2245



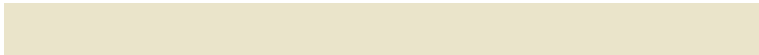
67.6070, 77.3049, 77.8084

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0261, 77.3049, 81.2245



72.4395, 77.3049, 67.2283



67.2934, 77.3049, 87.1897



74.5223, 77.3049, 103.7470

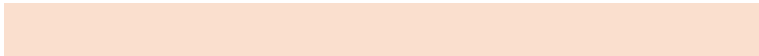


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



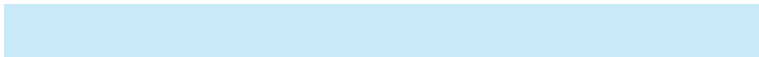
80.0261, 77.3049, 81.2245



76.8188, 77.3049, 69.2693



67.2934, 77.3049, 87.1897



70.2316, 77.3049, 101.0718

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.0279, 77.3081, 81.2261



90.4996, 93.1109, 100.5647



82.6646, 78.1366, 105.3327



19.1931, 19.6610, 21.1989



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

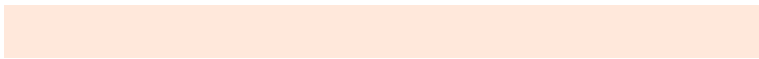
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0279, 77.3081, 81.2261



77.3073, 73.2167, 76.1586



82.7723, 83.8653, 78.8471



18.1120, 18.0281, 19.2070



21.7414, 11.1858, 2.0226



2.1466, 1.1010, 0.3534



# Inverse Universe

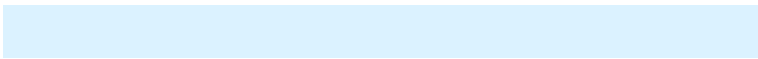
The Inverse Universe completely reimagines the original color for something new.



80.0279, 77.3081, 81.2261



77.3073, 73.2167, 76.1586



79.1372, 86.0249, 107.0412



18.1120, 18.0281, 19.2070



21.7414, 11.1858, 2.0226

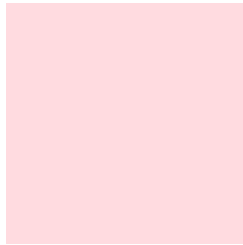


2.1466, 1.1010, 0.3534



# Previews

## White Background



This preview shows how the XYZ color 80.0261, 77.3049, 81.2245 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

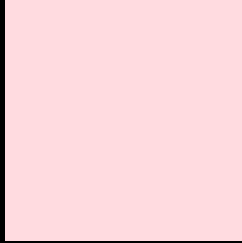
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0261, 77.3049, 81.2245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 80.0261, 77.3049, 81.2245**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0261, 77.3049, 81.2245.



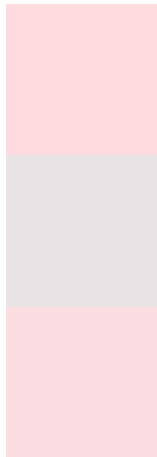
This preview shows how white text looks on a background with the XYZ color 80.0261, 77.3049,

81.2245.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

80.0261, 77.3049, 81.2245

### Protanopia

74.7514, 77.6954, 84.4557

### Deuteranopia

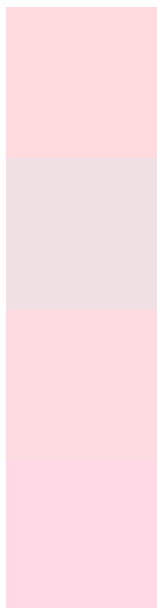
78.8314, 77.0774, 81.2436



## Tritanopia

81.1627, 77.3433, 88.4929

# Trichromacy



## Original Color

80.0261, 77.3049, 81.2245

## Protanomaly

76.4560, 77.3826, 83.5797

## Deuteranomaly

79.1926, 77.2637, 81.2605

## Tritanomaly

80.5943, 77.1160, 85.5000

# Monochromacy



## Original Color

80.0261, 77.3049, 81.2245

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.7966, 78.3449, 84.4732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0261, 77.3049, 81.2245 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 224)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0261, 77.3049, 81.2245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 219, 224) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 219, 224) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 219, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0261, 77.3049, 81.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 224) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
219, 224) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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